



## **Advanced Solutions of Microsoft Exchange Server 2013:**

Students will gain the knowledge and skills to configure and manage a Microsoft Exchange Server 2013 messaging environment.

## **Learning Objectives**

After completing this course, students will be able to:

- Design and implement Exchange Server 2013 Unified Messaging.
- Design and implement site resiliency for Exchange Server 2013.
- Plan a virtualization strategy for Exchange Server 2013 roles.
- Design and implement message transport security.
- Design and implement message retention in Exchange Server 2013.
- Design and implement messaging compliance.
- Design and implement administrative security in an Exchange Server 2013 environment.
- Use the Windows PowerShell 3.0 command-line interface to manage Exchange Server 2013.
- Design and implement integration with Exchange Online.
- Design and implement messaging coexistence.
- Design and implement Exchange Server migrations from non-Exchange messaging systems, and upgrades from previous Exchange Server versions.

## **Course Outline**

### **1 - DESIGNING AND IMPLEMENTING SITE RESILIENCE**

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- Site Resilience and High Availability in Exchange Server 2013
- Planning a Site Resilient Implementation
- Implementing Site Resilience
- Lab : Designing and Implementing Site Resiliency

### **2 - PLANNING VIRTUALIZATION FOR MICROSOFT EXCHANGE SERVER 2013**

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- Planning a Hyper-V Deployment to Exchange Server 2013
- Virtualizing Exchange Server 2013 Server Roles
- Lab : Planning the Virtualization of Exchange Server Roles

### 3 - OVERVIEW OF EXCHANGE SERVER 2013 UNIFIED MESSAGING

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- Overview of Telephony Technologies
- Unified Messaging in Exchange Server 2013
- Unified Messaging Components
- Lab : Unified Messaging Overview

### 4 - DESIGNING AND IMPLEMENTING EXCHANGE SERVER 2013 UNIFIED MESSAGING

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- Designing a Unified Messaging Deployment
- Deploying and Configuring Unified Messaging Components
- Designing and Implementing Exchange Server 2013 UM Integration with Lync Server 2013
- Lab : Designing and Implementing Exchange Server 2013 Unified Messaging

### 5 - DESIGNING AND IMPLEMENTING MESSAGE TRANSPORT SECURITY

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- Overview of Messaging Policy and Compliance Requirements
- Designing and Implementing Transport Compliance
- Designing and Implementing Active Directory Rights Management Services (AD RMS) Integration with Exchange Server 2013
- Lab : Designing and Implementing Message Transport Security

### 6 - DESIGNING AND IMPLEMENTING MESSAGE RETENTION

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- Overview of Messaging Records Management and Archiving
- Designing In-Place Archiving
- Designing and Implementing Message Retention
- Lab : Designing and Implementing Message Retention

### 7 - DESIGNING AND IMPLEMENTING MESSAGING COMPLIANCE

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- Designing and Implementing Data Loss Prevention
- Designing and Implementing In-Place Hold
- Designing and Implementing In-Place eDiscovery
- Lab : Designing and Implementing Messaging Compliance

### 8 - DESIGNING AND IMPLEMENTING ADMINISTRATIVE SECURITY AND AUDITING

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- Designing and Implementing Role-Based Access Control (RBAC)
- Designing and Implementing Split Permissions
- Planning and Implementing Audit Logging
- Lab : Designing and Implementing Administrative Security and Auditing

### 9 - MANAGING EXCHANGE SERVER 2013 WITH EXCHANGE MANAGEMENT SHELL

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- Overview of Windows PowerShell 3.0
- Managing Exchange Server Recipients by Using the Exchange Management Shell
- Using Windows PowerShell to Manage Exchange Server
- Lab : Managing Microsoft Exchange Server 2013 by Using Exchange Management Shell

### 10 - DESIGNING AND IMPLEMENTING INTEGRATION WITH MICROSOFT EXCHANGE ONLINE

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- Planning for Exchange Online

- Planning and Implementing the Migration to Exchange Online
- Planning to Coexist with Exchange Online
- Lab : Designing Integration with Exchange Online

## **11 - DESIGNING AND IMPLEMENTING MESSAGING COEXISTENCE**

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- Designing and Implementing Federation
- Designing Coexistence Between Exchange Server Organizations
- Designing and Implementing Cross-Forest Mailbox Moves
- Lab : Implementing Messaging Coexistence

## **12 - DESIGNING AND IMPLEMENTING EXCHANGE SERVER UPGRADES**

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- Planning the Upgrade from Previous Exchange Server Versions
- Implementing the Upgrade from Previous Exchange Versions
- Lab : Upgrading from Exchange Server 2010 to Exchange Server 2013